(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 18 August 2005 (18.08.2005)

PCT

(10) International Publication Number WO 2005/075151 A1

(51) International Patent Classification⁷:

B25C 5/02

(21) International Application Number:

PCT/SE2004/001897

(22) International Filing Date:

16 December 2004 (16.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0400223-4

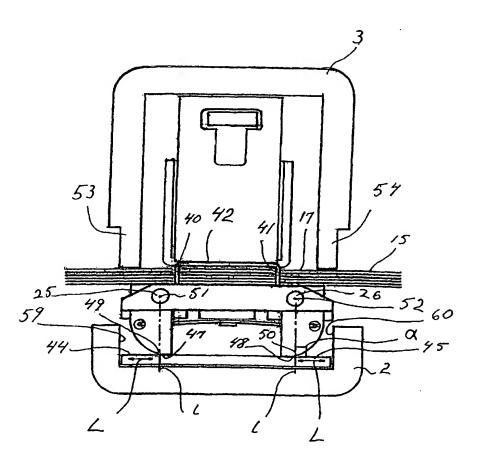
5 February 2004 (05.02.2004) SE

- (71) Applicant (for all designated States except US): IS-ABERG RAPID AB [SE/SE]; Box 115, S-330 27 Hestra (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): IVARSSON, Bengt [SE/SE]; Kärringabacka, S-335 93 Åsenhöga (SE).

- (74) Agent: JOHANNESSON, Urban; Isaberg Rapid AB, Box 115, S-330 27 Hestra (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: STAPLER



(57) Abstract: Stapler (1) which comprises a base part (2) and a stapling unit (3). The base part consists of a lower part (5) and an upper part (6) which are connected together such that they can be moved towards and away from each other, and between which parts is arranged a first elastic element (8) which, in an initial position, moves the upper and lower parts apart. A workpiece to be stapled is placed on the upper part (6), where an opening (31) is arranged through which the legs of the staple is driven after that the legs have driven through the wokpiece, and to which upper part bending devices (21, 22), pivotable about pivot pins (25, 26), are connected. The upper part being blocked from moving downward by a blocking arrangement (21, 22, 25, 26, 44, 45) when the driver drives the staple legs through The blocking the workpiece. device is disengaged by means of a releasing device (53, 54, 55, 56) when the staple crown (40) contacts the upper surface (17) of the workpiece.

WO 2005/075151 A1

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report